

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number  
**WO 2005/049054 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 35/20**,  
38/05, A61P 17/16

(21) International Application Number:  
PCT/AU2004/001627

(22) International Filing Date:  
22 November 2004 (22.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2003906419 21 November 2003 (21.11.2003) AU

(71) Applicant (for all designated States except US): **BETA  
PEPTIDE PTY LTD** [AU/AU]; 191 Darling Street, BAL-  
MAIN, NSW 2041 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **GRIGG, Geoffrey,**  
**Walter** [AU/AU]; 352 Burns Bay Rd, LANE COVE, NSW  
2066 (AU).

(74) Agent: **BLAKE DAWSON WALDRON PATENT SER-**  
**VICES**; level 39, 101 Collins Street, MELBOURNE, VIC  
3000 (AU).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITIONS AND METHODS FOR THE TREATMENT OF SKIN DAMAGE

(57) Abstract: The present invention provides methods and compositions for use in cosmetic and dermatological formulations. In various embodiments of the present invention, compositions comprising beta-alanyl-L-histidine (carnosine) or derivatives or analogs thereof and basic milk factor (BMF) for prophylaxis and treatment of aged or photodamaged, or damaged, as in wounded or disrupted, skin.



**WO 2005/049054 A1**